

Beryllium

(Be)

Basic Information

- **Atomic Number-** 4
- **Atomic Mass-** 9.01
- **Chemical Properties-** It reacts with water and acid to create hydrogen gas. It also reacts with oxygen to form Beryllium oxide. (BeO)
- **Toxicity-** Very toxic and harmful when inhaled in dust, can also cause pneumonia.
- **Uses-** Usually used as a hardening agent in alloys.

Interesting Information:

- **Description-** Silvery/grey, solid.
- **Manufacturing and Production-** is found from silicate ore and extracted in a single solvent process.
- **History/Discovery-** Louis-Nicolas Vauquelin in 1798. The name Beryllium came from the Swedish word for "sweet-taste".
- **Interesting aspects of the element-** 530\$ will only pay for 100 g. of beryllium.

Citations

- Unknown, "Beryllium (Be)." [Lenn tech](http://www.lenntech.com/Periodic-chart-elements/Be-en.htm). Unknown. Lenn tech. 25 Oct. 2007 <<http://www.lenntech.com/Periodic-chart-elements/Be-en.htm>> .
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- Unknown, . [Hydrometallurgical process for the production of beryllium](http://www.patentstorm.us/patents/4729881.html). June 2004. patent storm. 24 Oct. 2007 <<http://www.patentstorm.us/patents/4729881.html>> .